

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
10 May 2002 (10.05.2002)

PCT

(10) International Publication Number  
**WO 02/037241 A3**

(51) International Patent Classification<sup>7</sup>: **G06F 19/00**

(21) International Application Number: **PCT/GB01/04836**

(22) International Filing Date:  
1 November 2001 (01.11.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
00309635.1 1 November 2000 (01.11.2000) EP  
0122249.6 14 September 2001 (14.09.2001) GB

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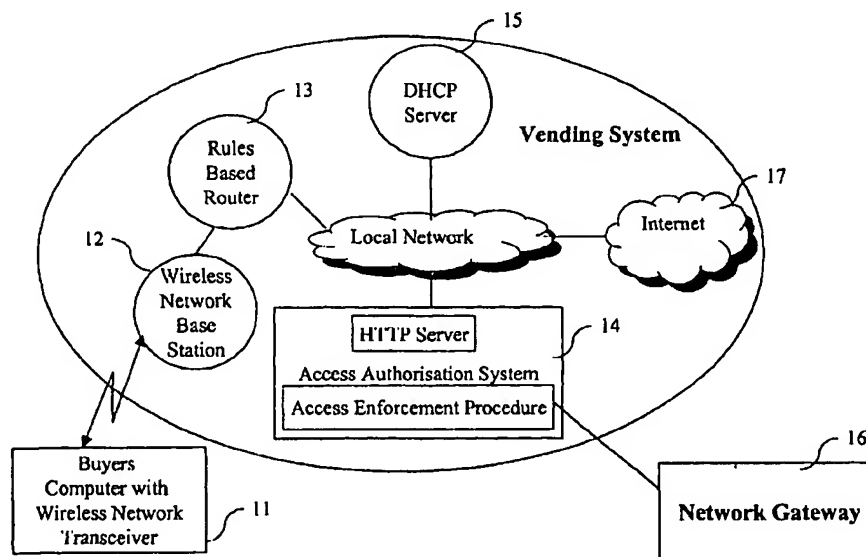
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,

[Continued on next page]

(54) Title: TRANSACTION AUTHENTICATION



(57) Abstract: In a payment validation system, a mobile phone or other communications terminal associated with a particular user is used. A vending node communicates with a validation platform which either returns a telephone number to be displayed for the user to call or which calls the alleged users phone or terminal for confirmation.

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IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:  
18 September 2003

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

## INTERNATIONAL SEARCH REPORT

Internal application No  
PCT/GB 01/04836

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G07F19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 34203 A (QUALCOMM INC) 6 August 1998 (1998-08-06)	1,2,5-8
Y	page 6, line 34 -page 7, line 23 page 8, line 1 - line 38; figures 1,2,4	3,4,9
Y	FR 2 792 143 A (SARL SMART DESIGN) 13 October 2000 (2000-10-13) page 10, line 9 -page 11, line 6 figures 1,2	3
Y	EP 0 725 376 A (SONY CORP) 7 August 1996 (1996-08-07) column 8, line 55 -column 9, line 5	9
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

22 April 2003

Date of mailing of the International search report

13/05/2003

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Internat. application No.  
PCT/GB 01/04836

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99 33034 A (GLOBAL MOBILITY SYSTEMS INC) 1 July 1999 (1999-07-01)	4
A	page 7, line 1 - line 8 page 14, line 14 - line 23 figures 1,4	1-3
A	----- EP 0 745 961 A (AT & T CORP) 4 December 1996 (1996-12-04) column 3, line 22 - line 43 column 8, line 7 - line 28 column 11, line 31 -column 12, line 53 figures 3,7 -----	1,2

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB 01/04836

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9834203	A	06-08-1998	AU 5963898 A WO 9834203 A1	25-08-1998 06-08-1998
FR 2792143	A	13-10-2000	FR 2792143 A1 AU 4300500 A EP 1171851 A1 WO 0062262 A1	13-10-2000 14-11-2000 16-01-2002 19-10-2000
EP 0725376	A	07-08-1996	JP 8214281 A EP 0725376 A2 US 5845260 A	20-08-1996 07-08-1996 01-12-1998
WO 9933034	A	01-07-1999	AU 2087099 A BR 9814407 A CA 2316389 A1 EP 1046144 A1 JP 2001527254 T WO 9933034 A1	12-07-1999 23-07-2002 01-07-1999 25-10-2000 25-12-2001 01-07-1999
EP 0745961	A	04-12-1996	US 5708422 A CA 2176163 A1 DE 69617097 D1 DE 69617097 T2 EP 0745961 A2 JP 8339407 A	13-01-1998 01-12-1996 03-01-2002 20-06-2002 04-12-1996 24-12-1996